



TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(e))			Docket No PA0111	
In Re Application Of: S. Stubbs, et al.				
Serial No. 09/967,301	Filing Date September 28, 2001	Examiner H. Robinson	Group Art Unit 1653	
Title: Fluorescent Proteins				
Address to Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450				
37 CFR 1.97(b)				
1. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.				
37 CFR 1.97(c)				
2. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:				
<input type="checkbox"/> the statement specified in 37 CFR 1.97(e);				
OR				
<input checked="" type="checkbox"/> the fee set forth in 37 CFR 1.17(p).				

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(e))			Docket No PA0111	
In Re Application: S. Stubbs, et al.				
Serial No. 09/967,301	Filing Date September 28, 2001	Examiner H. Robinson	Group Art Unit 1653	
Fluorescent Proteins			RECEIVED AUG 22 2003 TECH CENTER 1500 2300	
Payment of Fee (Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))				
<input type="checkbox"/> A check in the amount of _____ is attached <input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No 502-590 as described below. <input checked="" type="checkbox"/> Charge the amount of <u>\$180.00</u> <input checked="" type="checkbox"/> Credit any overpayment. <input checked="" type="checkbox"/> Charge any additional fee required.				
Certificate of Transmission by Facsimile*			Certificate of Mailing by First Class Mail	
I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F). _____ (Date) _____ Signature _____ Typed or Printed Name of Person Signing Certificate			I certify that this document and fee is being deposited on August 12, 2003 with the U.S. Postal Service as first class mail under 37 CFR 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  _____ Signature of Person Mailing Correspondence Melissa Leck _____ Typed or Printed Name of Person Mailing Certificate	
*This certificate may only be used if paying by deposit account.				
 _____ Signature Yonggang Ji Amersham Biosciences Corp Patent Department 800 Centennial Avenue Piscataway, New Jersey 08855 (732) 980-2875 Reg. No.: 53,073 CC			Dated: August 12, 2003	

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO

PA0111

SERIAL NO

09/967,301

S. Stubbs, et al.

FILING

September 28, 2001

GROUP

1653

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JS</i>	A1	5,804,387	8-Sep-98	Cormack, et al.	435	6	
	A2	6,027,881	22-Feb-00	Pavakis, et al.	435	6	
	A3	6,054,321	25-Apr-00	Tsien, et al.	436	86	
	A4	6,077,707	20-Jun-00	Tsien, et al.	435		
	A5	6,150,176	21-Nov-00	Tsien, et al.	436		

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>JS</i>	B1	WO97/42320	13-Nov-97	WIPO	—	—		
	B2	WO00/08054	17-Feb-00	WIPO	—	—		
	B3	WO01/98338	27-Dec-01	WIPO	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JS</i>	C1	B. Cormack, et al. "FACS-optimized mutants of the green fluorescent protein (GFP)" Gene, 173 (1996) pages 33-38
<i>J</i>	C2	C. Reichel, et al. "Enhanced green fluorescence by the expression of an <i>Aequorea victoria</i> green fluorescent protein mutant in mono- and dicotyledonous plant cells" Proc. Natl. Acad. Sci. USA volume 93, June 1996 pages 5888-5893

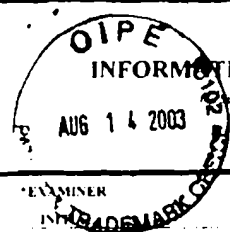
EXAMINER

Hope Johnson

DATE CONSIDERED

10/13/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant



INFORMATION DISCLOSURE CITATION

(Attach several sheets if necessary)

Docket Number (Optional)

PA0111

Application Number

09/967,301

Applicant(s)

S. Stubbs, et al.

Filing Date

September 28, 2001

Group Art Unit

1653

EXAMINER

INT.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

K. Brejc, et al. "Structural basis for dual excitation and photoisomerization of the *Aequorea victoria* green fluorescent protein"
Proc. Natl. Acad. Sci. USA
volume 94, March 1997
pages 2306-2311

T. Yang, et al. "Improved Fluorescence and Dual Color Detection with Enhanced Blue and Green Variants of the Green Fluorescent Protein"
The Journal of Biological Chemistry
volume 273, number 14, April 3, 1998
pages 8212-8216

RECEIVED

AUG 22 2003

TECH CENTER 1600/2900

EXAMINER

Arpe Robinson

DATE CONSIDERED

10/13/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US95/14692

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : Please See Extra Sheet.

US CL : 435/6; 530/350; 536/23.5

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6; 530/350; 536/23.5

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

APS, MEDLINE, BIOSIS, CAPLUS, SCISEARCH
search terms: green fluorescent protein**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X ----- P, Y	FEBS Letters, Vol. 367, No. 2, issued 26 June 1995, Ehrig et al., "Green fluorescent protein mutants with altered fluorescence excitation spectra", pages 163-166, see pages 163-165.	1-3, 5, 8, 16-18, 20, 22, 23 ----- 4, 6, 7, 9-15, 19, 21
P, X ----- P, Y	Proceedings of the National Academy of Sciences, Vol. 91, No. 26, issued 20 December 1994, Heim et al., "Wavelength mutations and posttranslational autoxidation of green fluorescent protein", pages 12501-12504, see entire document.	1-6, 8, 9, 13, 16-18, 20, 22, 23 ----- 7, 10, 14, 15, 19, 21

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	* T	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
* A		document defining the general state of the art which is not considered to be part of particular relevance
* E		earlier document published on or after the international filing date
* L		document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reasons (as specified)
* O		document referring to an oral disclosure, use, exhibition or other means
* P		document published prior to the international filing date but later than the priority date claimed
	* X	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
	* Y	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
	* A	document member of the same patent family

Date of the actual completion of the international search

17 JANUARY 1996

Date of mailing of the international search report

21 FEB 1996

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

SCOTT D. PRIEBE

Telephone No. (703) 308-0196

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US95/14692

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X ----- P, Y	Bio/Technology, Vol. 13, No. 2, issued February 1995, Delagrave et al., "Red-shifted excitation mutants of the green fluorescent protein", pages 151-154, see pages 151-153.	1, 2, 5, 17-23 ----- 3, 4, 6-15
P, Y	BioTechniques, Vol. 19, No. 4, issued October 1995, Kain et al., "Green fluorescent protein as a reporter of gene expression and protein localization", pages 650-655, see entire document.	1-23
P, X ----- P, Y	Nature, Vol. 373, No. 6516, issued 23 February 1995, Heim et al., "Improved green fluorescence", pages 663-664, see entire document.	1, 2, 5, 8, 13-16 ----- 3, 4, 6, 7, 9-12, 17-23
A --- Y	Science, Vol. 263, issued 11 February 1994, Chalfie et al., "Green fluorescent protein as a marker for gene expression", pages 802-805, see entire document.	1-23 ----- 1-23

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US95/14692

A. CLASSIFICATION OF SUBJECT MATTER:
IPC (6):

C07H 21/04; C07K 14/435; C12Q 1/25, 1/68